FORM 3

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

AMENDED REPORT

					DIVISION C	OF OIL, (	GAS AND M	INING			, avierve	JED KEI OK			
APPLICATION FOR PERMIT TO DRILL										1. WELL NAME and NUMBER North Alger 27-31D					
2. TYPE OF WORK  DRILL NEW WELL REENTER P&A WELL DEEPEN WELL										3. FIELD OR WILDCAT  NATURAL BUTTES					
4. TYPE OF WELL  Gas Well Coalbed Methane Well: NO										5. UNIT or COMMUNITIZATION AGREEMENT NAME NORTH ALGER					
6. NAME OF OPERATOR  KOCH EXPLORATION COMPANY LLC										7. OPERATOR PHONE 303 325-2562					
8. ADDRESS OF OPERATOR 950 17th Street, Suite 1900, Denver, CO, 80202										9. OPERATOR E-MAIL howard4d@kochind.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU49518  11. MINERAL OWNERSHIP FEDERAL INDIAN INDIAN								) FEE	0	12. SURFACE OWNERS FEDERAL INC					
13. NAME	OF SURFACE	14. SURFACE OWNER PHONE (if box 12 = 'fee')													
15. ADDRI	15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')										16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
	N ALLOTTEE OF = 'INDIAN')	MULTI	8. INTEND TO COMMINGLE PRODUCTION FROM IULTIPLE FORMATIONS  YES (Submit Commingling Application) NO					19. SLANT  VERTICAL DIRECTIONAL HORIZONTAL							
20. LOCATION OF WELL			FOOTAGES		QTR-QTR		SEC	TION	TOWNSHIP	RANGE		MERIDIAN			
LOCATION AT SURFACE			2114	14 FSL 1286 FWL		NWSW		2	27 10.0 S		19.0 E			S	
Top of Uppermost Producing Zone 231			FSL 2310 FWL		NESW		2	27 10.0 S		19.0 E			S		
				FSL 2310	SL 2310 FWL		NESW		27 10.0 S		19.0 E			s	
21. COUNTY  UINTAH  22. DISTANCE TO NEAREST							286			23. NUMBER OF ACRES IN DRILLING UNIT					
25. DISTANCE TO NEAREST V (Applied For Drilling or Com										<b>26. PROPOSED DEPTH</b> MD: 10456 TVD: 10300					
27. ELEVATION - GROUND LEVEL 5223					28. BOND NUMBER  COB000296				29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-2231, 43-8496, 49-1645, 49-2375						
Hole, Casing, and Cement Information															
String	Hole Size	Casing Size	Length	Weight	eight Grade & Th		ad Max Mud Wt.		Cement			Sacks	Yield	Weight	
SURF	12.25	8.625	0 - 2500	32.0	J-55 L	T&C	8.	.5		Type V Class G		301	3.82	11.0	
PROD	7.875	4.5	0 - 10456	11.6	L-80 L	T&C	-&C 13.		Premium Lite High St		ngth	250 326	1.15	15.8	
								F		emium Lite High Strength		1943	1.27	13.5	
ATTACHMENTS															
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES															
WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER								COMPLETE DRILLING PLAN							
AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)							FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER								
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)  TOPOGR										HICAL MAP					
NAME Theron Hoedel TITLE Opera						Operations Engineer PHONE				E 303 325-2565					
SIGNATURE					DATE 02/10/2015 EMAII					theron.hoedel@kochind.com					
	BER ASSIGNED )47552540	0000	APPROV	APPROVAL Perm					oo Gylll iit Manager						

## T10S, R19E, S.L.B.&M. S89°54'W - 80.05 (G.L.O.) Found 1956 S89°54'40"W - 2642.16' (Meas.) Brass Cap in Mound of Stones Found 1956 Brass Cap with Mound of Stones NORTH ALGER 27-31D (Surface Position) N01°00'43"W - 2660.35' (Meas. NAD 83 LATITUDE = 39.916654° (39° 54′ 59.954″) LONGITUDE = 109.772940° (109° 46' 22.584") NAD 27 LATITUDE = 39.916689° (39° 55' 00.081") LONGITUDE = 109.772244° (109° 46' 20.078") 80.64 (G.L.O.) NORTH ALGER 27-31D (Bottom Hole) NAD 83 LATITUDE = 39.917189° (39° 55' 01.881") LONGITUDE = 109.769301° (109° 46' 09.483") NAD 27 LATITUDE = 39.917224° (39° 55' 02.008") N1°01'W - 80.61 (G.L.O.) LONGITUDE = 109.768605° (109° 46' 06.977") N0°38'W - 80.76 (G.L.O.) Found 1956 Found 1956 Brass Cap in Brass Cap in N89°59'13"E - 5266.81' (Tie) Mound of Stones Mound of Stones. 80.76 (G.L.O.) Bearings) 2310' 1286' **Bottom** of Hole 2659.61' (Measured) Well Surface WELL LOCATION: of Position **NORTH ALGER 27-31D** ELEV. UNGRADED GROUND = 5223.3' 2310' 80.58 (G.L.O.) Found 1956 Brass Cap in Mound of Stones. Found 1956 N89°56'53"W - 2624.21' (Meas.) Brass Cap in N89°56'W - 79.52 (G.L.O.) Mound of Stones. 500 NOTES: = Section Corners Located SCALE 1. Well footages are measured at right angles to the Section Lines. SURVEYOR'S CERTIFICATE 2. G.L.O. distances are shown in feet or chains. THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS 1 chain = 66 feet. PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS 3. The Bottom of hole bears N79°11'16"E 1039.53' MADE BY ME OR UNDER MY SUPERVISION AND THAT from the Surface Position. THE SAME ARE TRUE AND CORRECT TO THE BEST OF 4. Basis of elevation is the South 1/4 Corner of Section MY KNOWLEDGE AND BELLEN. 602869 27, T10S, R19E, S.L.B.&M. (Being a 1956 Brass Cap). The elevation of this Section Corner was Calculated using an NGS OPUS Solution report to be 5279.5' (NAVD 88). GISTRATION No. 602869 Koch Exploration Company, LLC STATE OF UTAH 950 17th Street, Suite 1900 - Denver, Colorado 80202 (435) 789-1365 **WELL PAD: 27-31** TIMBERLINE ENGINEERING & LAND SURVEYING, INC. **NORTH ALGER 27-31D** 209 NORTH 300 WEST - VERNAL, UTAH 84078 **WELL PLAT** DATE SURVEYED: SHEET NO: SURVEYED BY: T.A. 3 - 3 - 142310' FSL, 2310' FWL (Bottom Hole) DATE DRAWN: DRAWN BY: J.G.C. NE $\frac{1}{4}$ SW $\frac{1}{4}$ OF SECTION 27, T10S, R19E, 3-10-14

S.L.B.&M., UINTAH COUNTY, UTAH.

Date Last Revised:

OF 12

SCALE: 1" = 1000'